## BILLION CHICKENS WANTED POULTRY IN BACK YARDS

think and talk in terms of billions. For months we have been talking Liberty loans. Now, it is a billion chickens! Uncle Sam has drafted Biddy to serve for the duration of the

"The United States Food Adminisorganization, "needs every one who can to help raise the poultry required to furnish both meat and eggs to take the whole United States. the place of red meats and fats that the place of red meats and fats that must be used to feed the fighting forces of the United States and its

The number of chickens raised anmually in the United States is approximately 500,000,000, and the numser of eggs produced is about 1,600.

## Time Is Money-Delay Means Loss to You

We have in stock now Incubators. Brooders, Poultry Supplies of every description. Leghorn Hens and Pullets, now

Rabbits, Ducks, Geese, etc. Send for our illustrated Poultry Catalogue. Sent free on application.

THE MACNIFF HORTICULTURAL CO. The Largest Poultry Supply, Seed & Plant Salesrooms in the World 52, 54 & 56 Vesey Street NEW YORK

### Baby Chicks. 20 Varieties. STRONGER THAN HEN HATCHED. Price List Mailed Free.

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LIGHT BRAHMA COCKERELS, 15 each; also had him eggs. Stamp for reply. ANNA CORWIN, R. No. 2. Newburgh, N. Y.

SINGLE COMB WHITE LEGHORNS. Wyckoff arrain direct; satisfaction guaranteed, write for prices, J. M. CASE, Gilaca, N. Y.

Legs from trap nested heavy winter laying

Success Poultry Farm,

### Get Good Baby Chicks at PENN HATCHERY Big, strong, vigorous - pure-bred "business" stock-from free-range,

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## The "A·B·C" Of Profitable Poultry

A-See that housing conditions are right. B-Make sure you feed a good ration.

C-And ALWAYS mix Pratts Poultry Regulator with the ration. Note:-If you don't neglect "C." we guarantee that you will "see" more eggs—or you get our money back.

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The quality-value standard for years. Better than ever for 1915, but still sold at "scomery" prices. Kerr's Chicks are big, busky and benship, from forwardings focks of breeders which are selected for business ability. Will make big profits for you this season when eggs and table postary still searly bring vary high prices.

### Beautifully Illustrated Chick Book Free

Write for it now. Learn how Reer's breeding florks are selected and managed. How the chiefs are hetched now great incubators which held avance eggs. How packed and alsloped. Kead the liberal Kerr Guarantee which process sery buyer. You will need dependable basiness breed poutry this assess. It will pay you to grow Kerr Chieks. Place your order early. We mail the big book promptly on request

THE KERR CHICKERY

RARRITS.

IN TO THE RESULE—One hundred diars worth of rabbits were produced to 12th. In America only 20,000 persons rabbits and owing to their high far value half a million people could make profit raising Heigian hares. New 14 rabbits. Flemish Giants. Black & Yea may learn all about this estimated by the rabbits of the second for the seguith edition. "The Rabbit, How lived and Manage the Rabbit and let for Pleasure and Profit," including of our paper containing rabbits. It was department. AMERICAN ADMINISTRATE. Dept. 223 Syracuse.

the biff thoman theiging har-

necessary food and meats for our fight-ing forces in Europe, the chicken crop for 1918 should be more than doubled. We should produce from 1,000,000,-600 to 1,500,000,000 fowls and from 3,500,000,000 to 4,000,000,000 dozens of eggs. Some job! Let us set a mark, however, that can be reasonably attained with good team work, say a says a high official in that round billion chickens. To accomplish this will require the united efforts of every breeder, hatchery and farmer in

the United States, with an average of 125 acres to the farm. If every farmer would raise on an average 200 chickens during the coming season, we would have something over 1,278,000,-600 chickens, a number well beyond the billion mark. There are few farmers who could not maintain 200 chick-Order Now, Baby Chicks interfering with other production. ens next summer without appreciably The farmers of the country are best

fitted and equipped for poultry raising. On every farm a reasonable number of chickens can be kept at comparatively small expense. The growing youngsters will pick up much of their living and consume hordes of harmful insects. Farm folks are accustomed to chicken raising and need only to expand their present flocks. In order to harvest a large crop of

corn, potatoes or any other product the ground must be prepared and the seed sown in the spring. No amount of work or enthusiasm will bring a crop if applied at any other time. To raise a billion chickens the eggs must be laid, incubater and hatched in the months of March, April and May. The greatest difficulty will be to procure and to hatch the eggs. This, howfrom 8,000,000,000 to 12,000,000,000 eggs during the hatching season.

Thanks to our great corn crop of last year, we have grain for fattening all the chickens we can produce for market. The United States Department of Agriculture recommends that magazines on the subject and attended all male birds not needed for breeding all the chicken shows in New York the breeding season is over. Infertile city. eggs keep much better, and the weedenced with summer eggs. Besides. feed is saved which would otherwise be needlessly consumed.

A good plan that is followed on some of the most successful poultry farms is anxious to have very fresh eggs. That to separate the males from the females e eight or ten weeks old. All but the best males are culled very closely and disposed of as brollers. Later in the season this culling is again done, instrain: free range raised; large vigorous cluding females as well as the males.

stock; hers weighing up to 6 lbs. and cooks to 10 lbs. Frice \$2 per 14 eggs or 100 or 510. HENRY B. MEIER, Pittstown, hew Jersey. liess Comb R I. Red Breeding Cockerels, very dark, 1917 hatch. \$6.00 each Bose or S. C. R. I. Red Breeding Hens. April, 1916, hatch. \$2.00 each S. C. Leghorn Cockerel with eight S. C. Leghorn bens. \$2.00 each Red hatching eggs. \$2.00 a setting Leghorn hatching eggs. \$2.00 a setting All hens in perfect laying condition. hens and cock birds may be killed and my laying hens and bought Leghorn poultry breeding along strictly utility supply that is almost entirely negmarketed as fowl at the close of the chicks. I have been very careful about lines that its actual value has been lected, and I am surprised it is so. breeding season.—Charles J. Fisk, my breeders, and the birds bred not properly appreciated, vice-president, American Poultry As- only lay well but are beautiful to look Experiments have

when, on February 1, 1912, I saw a R. C. R. I. Red hen and six day old outrageously high. I will spare the I had three 100 per cent, hatches of details, of which there were many one dozen each, and in consequence stupidly careless ones, such as giving had eggs last fall when eggs were them a pot of water large enough to scarce and commanding a good price. have drowned the hen and enough food. I get the best price because I feed the to last them all day, for we were to be purest grain, sprout oats all winter, away from home all day. On our re- have sanitary quarters and never sell turn we found only one chick drowned. an egg over twenty-four hours old. remaining four three were cockerels, nearly so good or fresh. so in April, feeling that I knew everything to be known, I borrowed a hen and bought a setting of eggs and hatched and reared four pullets and four cockerels. In all I had a hen and four cockerels. In all I had a hen and so the set of the set five pullets, and we had an average of three eggs a day from October to Oc- high cost of living will not be such a

one year besides rearing her brood.

Then feeling that perhaps I did not



"CHAMPION YELLOW JACKET"

Champion Yellow Jacket is a single comb Buff Orpington, male, and Sunswick Poultry Farm. Buff Orpingtons lay well, mature early and Ray of Sunshine is a female of the same variety, bred and owned by the grow heavy. It is a handsome bird of great size, strong and vigorous.

As we kept no rooster, we bought eggs seep much better, and the wront baby chicks and eggs each year from be appreciated. Frairie states are exercing out of males will largely prevent baby chicks and eggs each year from more popular than ever, and so are food. the best exhibits at the shows. In the brooders and hovers. 1914 we had to be away from home for a good part of the year, and on our return I found that the man in charge

The work is easy for any man, chicks I felt that I had to have woman or child who puts his or her

and the next day one simply lay down and the next day one simply lay down and died, probably overfed. Of the saving the buying of other meats not good hatching.

This year I have one batch of chicks

tober, the hen laying her 200 eggs in bugbear as it has been the past year one year besides rearing her brood. with most folks. SUCCESS POULTRY FARM.

studying the different papers and growing stock to standard size. Oats will have a chance to get at the feed, to examine the nest I remove the magazines on the subject and attended build up bone and muscle and are an Otherwise the domineering fowls keep brick. Then as carrots are a delicacy

bator is insurable, a feature that will for it is the most successful plan; the from my hand and while engaged on be appreciated. Frairie States are exercise is almost as important as the the carrot I lift the cover of the nest

### PEDIGREED POULTRY.

By H. R. MATHEWS. gave me the idea of turning my hobby linto a small business for pin money. Ored to outdo one another in produc-Ever since poultrymen have endeav-We built a sanitary up to date house, ing the best specimens there has been 8 by 16, divided into four pens, with more or less pedigree breeding. In orthe entire front open, and only in very der to breed a high class exhibition

vice-president, American Poultry Association, Trenton Junction, N. J.

STARTING A POULTRY BUSINESS
IN THE BACK YARD.

only lay well but are beautiful to look at. Every chick is banded and an accurate record kept of each pen. I raised a few cockerels last year, which are too fine to eat, so these will be sold. I also went into the capon end. IN THE BACK YARD.

I am very much interested in The Sun's poultry serticles and have been greatly helped by them. Perhaps my story might help some one else to start a back yard flock, thus saving food for a space 15 by 25, though we have the use of a space 20 by 50 in which they run in summer. All winter a back yard flock, thus saving food for they stay indoors and scratch for the producers are gradually weeded.

Therefore if a close record is kept of every bird it is possible to know the examiner fallures—but there would every bird it is possible to know the beat a wonderful addition to the supply of the very best of meats.

There is no better meat on the market there is no danger of have the use of a space 20 by 50 in which they run in summer. All winter the start of proved efficiency. The first back yard can raise hundreds of the pounds of this finest of meat at very a back yard flock, thus saving food for others and also relieving the dwindling their grain in deep litter and have our and only the healthy prolific stock little expense. family pocketbook.

I lived in New York city all my life, charcoal and oxyster shells. We buy moving out here in the fall of 1910. It is retained for breeding. This requires the charcoal and oxyster shells. We buy close application to details and considiction of the production of eggs is also high and seen a mother hen and baby chicks, so seen a mother hen and so se sible to keep a record of the eggs laid easily raise five to six litters of fifteen bady chicas I left that I had to heart into it. Last year in January by every hen. Each succeeding year each, outrageously high. I will spare the I had three 100 per cent, hatches of that this system is used will show. But in raising hares the housing to this method of breeding

### CHICKEN POX.

eral noted poultry breeders have recently stated that they had lost thouproved, however, to be contagious and ciate his cosey sleeping apartment. they are unable to eat or drink.

by this trouble, or vice versa.

tion that should be taken is that of trimmings, this is all that is needed. sanitation. The poultry house or houses should be completely cleaned hutch. and disinfected with some good germi-

More outs and less corn will bring | Scatter the feed so the weaker hens friendly with me. Then when I want excellent food for old or young stock. the weaker ones from feeding, which to buns I slice a carrot for the mother The Prairie State sand tray incu- in litter and making the hens work her as I do so. She cats the carrot Soft food should be distributed in nest is built in a ball like a mouse several dishes so all may have a nest lined to velvety softness with Avoid feeding spoiled or tainted breast. The instant one's hand touches

about the Lutch the mother will allow

whom she loves without protest. The hay and clover should be kept If a meat raising craze should sweep herself and the hay is kept clean.

water always on hand.

marked improvement in the product must first be attended to. All bares tion and utility value of the flock. It must be raised in hutches. Three is almost a necessity for the average good sized packing boxes, three little kept in separate hutches. The docupeultry keeper to purchase pedigreed empty grocery boxes, a little chicken poultry or to subject his own flock fencing of one-inch mesh, three hooks and hasps, and the material is furnished. The little boxes are for nest Set the freshest eggs possible for boxes and reed an arch in one end, comfortably large enough for the bunny to go in and out. The top should be removable and weighted down with a brick. This one should Chicken pox is a disease which is fit into the back corner of the pack-

is a good size The packing box for the hutch is unknown. It has been but in winter he certainly does appre-

The buck should be kept in his own

When it is noticed that the doe is

found to be a very good salve to of the mother hare and should handle rub upon the sores. Certain vaccines the little buns in the nest she would have been used, some of which have given excellent results.—D. E. Warner, macy comes in. First I pet and connecticut Agricultural College.

box and slip a carroty hand in. The fur that the doe has bitten off her kicking possible to imagine. If a bun did not kick it would take but an innot often necessary. I have never yet found a dead one in the nest. Replace the cover and the brick, go quickly to slicing more carrot for the mother, and cautious as she is this will fool

ORPINGTON

them to be handled by an attendant

in little baskets made of the wire netting and hung high against the back of the hutch; here the bare can help It is best to keep the hay basket always full so the hare may not from hunger eat too much green stuff. It is best to give a dainty food twice or three times a day and keep clean

Gold'e Queen, a large prolific Belgian loe, always raised five litters of fifdie. This gave seventy-five hares a roomy runways or hutches, and at milk and rolled outs each day. At the age of about five months

the bucks begin to fight and must be separated, sold or used for meat, or can run in hordes together until they are bred, as they never quarrel. One can produce a hundred pounds

of Belgian have meat at an expense The pelts as a b, product bring ir quite a return, the pelts of the black

hare bringing the higher prices, but the pelts of the Rufus Red are dyed and used extensively. Fresh eggs are always in demand and those that can be relied upon as being strictly fresh will always bring

store" eggs. Washed or polished eggs chasers, so keep the nests clean. From their home among filth rate and mice visit dwellings and store-

a price considerably higher than

rooms to pollute and destroy human

The rat varries bubonic plague and many other diseases fatal to man and has no doubt been responsible for more untimely deaths among human beings than all wars of history. In the United States rats and mice

destroy each year in homes, in factories, stores and warehouses, in cars and on ships, crops, poultry and other property valued at more than \$200, 000,000-an amount equivalent to the gross carnings of an army of 200,000

Grain eaten and wasted by rats and



Look to your breeding fowls. Like produces like. Strong, vigorous hens and roosters mean healthy, vigorous chicks that will live.

Dr. Hess Poultry PAN-A-CE-A

conditions and gives you healthy, good feeling parent stock which means strongly fertile eggs for hatching. If Pan-a-ce-a does not give you stronger, better breeders and more good, livable chicks, the dealer will refund your money. Packages 25c, 60c and \$1.25; 25-1b. pail \$2.50; 100-1b. drum, \$9.00.

Dr. Ress Instant Louse Klifer kills lice. Sprinkle it on the hens, then add it to the dust bath occasionally and your poultry will be free from lice. 11b, 25c; 31bs. 30c. Guaranteed.

For eale by all dealers in poultry supplies.

farmer's taxes.
Rats and mice breed from six to ten

times a year, producing their destruclive kind at an alarming rate.

They are parasites without a single redeeming characteristic. Remove piles of straw, trash and

lumber which harbor rats in fields and vacant lots. Keep well trained rat dogs on farms

and about city warehouses.

Keep provisions which rats and mice will attack in rat proof and mouse

proof containers.

Destroy rats and mice systematically by poisoning, trapping and by organized systematic hunts. Arouse public opinion to the reall-

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The only way to positively get rid of Rats or Mice, in warehouses, cold storages, docks, stores factories, barns, stables, chicken houses, anywhere, wishout trouble and without the least possibility of harming a human being, any other arimal, pet or bird, is to use Danysz Virus.

A new illustrated book about rats and mice and how quickly and casily Danysz Virus gets rid of them, given without charge to anyone who calls, writes or telephones. Tel, Hanover 1960.

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Send money with order

If interested in day-out chicks and hat angleges write for descriptive literature of the Boot-Barron S. C. White Lephorns.

ROOT'S POULTRY FARM,
Rider's Mills, Columbia Co., N. Y.



Sheppard's l'amous Ancoras hold the egg production record for flock and single bird. Noted winter layers. Eggs are large and white. These beautiful, practical chickens also win highest prizes. Send for illustrated book that tells all about them. Free. Address— H. Cocij Shappard, President International Agree Cleb. Box G S, Beren, Ohio

### Aluminized Metal Crates





mice on many farms would pay all the zation of the importance of exteri nating rats and mice.

See other farm and garden news on pages 10 and 12.

## Conkeys BUTTERMILK STARTING FOOD

The fich Duttermilk
wrengthens and tones up
the sensitive dignetive organs
helps prevent While Blarrhes. The mixture of clean,
balanced grains starts checks
growing.

GRT THE ORIGINAL
and watch the chicks grow, Conton's is different room all imitations. Builds strong, stardy
chicks that grow into good breaders
heavy layers.

### Makes Chicks Grow

Costs only 2s to feed a chick eight weeks—buy a bag—set your dealer.
Contey's Poultry Youle keeps hens laying. 30c and 60c.
Contey's Roop Remody prevents roop.
Just put it in the drinking water.

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Stumpp & Walter Co., 10-12 Barclay Street. Dept. P. Wm. Bartels Co., 42-41 Cortlandt Street. W. E. Marshall & Co., 186 West 23rd Street. The Model Incubator Co., 30 Barclay Street

Andrew R. Kennedy.

King's Bronx Zoological Store, And at all good poultry supply dealers in Greater New York.



## GUARANTEED TO LIVE AND LAY

MILLS.

Sinciple by
Collag Grand

Consenting

Consenti



Uncle Sam wants 10,000,000 patriotic American families to produce their own eggs before the end of 1918. This will release immense quantities of "red meats" for the Allies and for his own army. "Two hens in the back yard for each person," he says, "will keep a family in fresh

Even a tiny back yard will furnish plenty of room for a few good utility hens. No rooster will be needed where hens are not kept for breeding purposes. The hens lay better; the eggs will keep longer and you save the feed which a male would consume. Your kitchen scraps will furnish most of the feed this

little flock will need. These grown birds will require little care-no more than would be required to run to the corner grocery for fresh eggs. The United States Department of Agriculture or your own

State Agricultural College will gladly furnish you with full Our plan is simplicity itself-does away with all the bother of hatching and brooding chicks. Baby chicks are all right for the expert, but they are a risky investment for

the beginner. Start the easy way with "squab" or mature pullets. These birds will be hatched in our own mammoth hatchery from scientifically mated birds and raised under the watchful eye of an expert until ready for your back yard. We ship them to you when from two to five months of

age-fully feathered, rugged and hardy. These pullets will begin laying in September and will keep right on filling the egg basket all winter long when fresh eggs sell at fabulous prices.

### Reserve Your Winter Layers Now

We shall be booked ahead all the season. The only way to get your pullets when you want them is to place your order now. A small payment down will reserve your pullets until time for shipment. Avoid disappointment. Order your home flock at once. Help Win the War.

Write for Full Particulars.

Chas. J. Fisk.

M. L. Chapman, Gen. Mgr.

46 River Road, Junction, New Jersey

# The Prairie State



## Incubators Brooders, Hovers Stove Brooders

The Prairie State Sand Tray Incubator bears the label of the National Board of Underwriters and is INSUR-This, combined with their wonderful hatching qualities, make them the superior of all other Incubators. Made in Three Models and Five Sizes.

Prairie State Brooders and Hovers are practical, durable and economical. \$11.00 to \$30.00.

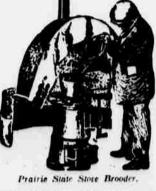
The Prairie State Stove Brooder is he best of its kind. Broods from 100 o 1,000 chicks at less cost per 100 chicks than any other method and requires less attention. Three sizes, \$18.00 to \$25.00 and \$40.00.

We carry a complete line of

Poultry Plant Equipment, Foods

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TIFFANY'S SUPERIOR CHICKS—Suver, White and Columbian Wyandottes, Rocks, Reds, Barrons, Leghorns, Pekin, Rouen and Indian Runner Ducklings, ALDHAM POULTRY FARM, R. 25, Phoenixville, Pa.

A.B. HALL'S S. C. W. LEGHORN CHICKS 2,000 WEEK LY DUT DESCRIPTION OF CHICKS 2,000 WEEK LY DOWN PERSON CHICKS 2,000 WEEK LY DOWN PERSON CHICKS 2,000 WEEK LY DUT PERSON CHICKS 2,000 WEEK LY DU

BABY CHICKS

om trapnested stock. We sell the They fill egg basket; also the pot.

S. C. W. Leghorns, \$18 per 100 S. C. R. I. Reds, \$20 per 100 R. P. WAGNER, Prop.,

East Northport, L. I.

nelp in curing the birds already in- strange scent. fected. Carbolated vaseline has been l

meat; it will cause sickness. CHEAP MEAT FOR EVERYBODY, stant to remove the dead bun. This is By MAUDE MEREDITH. severe, weather do we close it up, and strain of birds it was necessary to the high price of grain and then never entirely. I increased my know the ancestry for a number of the ferming of the great ranges of flock to thirty-five hens, Reds and Leg. years back. One or two birds of ex-horns, all good birds. Up to this time ceptional quality have been the four-forced down to a low ebb. The price of such male birds as are needed for such male birds as are needed for the such male birds as are needed for th

chance at it.

ble to weigh the milk of each cow doe will produce four litters a year, of daily in a well kept diary, so it is pos- about six to eight. A prolific doe will

quite common in this section and sev- ing box-about 10 by 12 by 15 inches sands of dollars worth of birds from should be somewhere about three feet this disease, of which very little is of more long, two feet wide and two known at the present time. Some and a half high, and the front closed writers -- Solomon of the Maine Station with a gate covered with the wire netand Dr. Kaupp have given the symp-toms of this trouble, but as far as the catch with the hook and hasp. The writer is aware the true cause of the buck does not really need the nest box.

when the head of the infected bird is rubbed upon another normal head the chicken pox sores can be reproduced after a few days. The disease comes on during damp weather and in adon during damp weather and in advanced cases the sores completely cover the bird's head, which prevents them from seeing, and consequently lettuce. corn husks and ears, bits of lettuce. they are unable to eat or drink.

dry, clean bread, melon rinds, in fact.

Symptoms—The disease is charactevery bit of vegetable trimmings, all terized by small nodules varying in the lawn cuttings, all weeds from the size on the face and comb. Sometimes garden, twigs and trimmings of trees, these nodules are as large as peas. In I have never found anything except advanced cases the whole head and onions and tomato vines that they will adjuncts may become one mass of not eat, carrots clover and sifaifa besores. Sometimes roup is accompanied ing their prime favorites. In winter a little timothy, a little alfalfa and now Treatment-If only a few birds are and then a little oats, with always affected with this disease the first cau- clean, fresh water, and the vegetable

and disinfected with some good germicide. If the birds affected are not high priced birds it is better to kill them than to take the trouble of trying a treatment. If, however, the bird or birds are valuable treatment should be tried. No birds should be sold from the flock. Cleaning of the ears is important. The sores on the head of the affected bird or birds should first be removed of all scabs and bathed in a strong antiseptic, applying iodine, kerosene or carbolic acid. If carbolic acid is used care must be taken that the acid does not run on the uninfected parts. The sulpho-carbolates seem to parts. The sulpho-carbolates seem to give the best result. Recently it has bite in the back of the neck. If you been suggested that calcium sulphide were to take one from the nest box. when given in one grain capsules put it for a few minutes with other seems to prevent the other birds from burs, and then put it back in her catching the disease and also seems to hutch she would kill it because of the If you are not an intimate friend

For Roup Use Dr. Hess Roup Remody